



All dimensions are in mm; tolerances according to ISO 2768 c-H

Available variants

| Type | "A" (mm) | "C" (mm) | Insertion loss ≤ (dB) at 50 GHz | Marking | Weight (g) / pce |
|--------------|-------------|-------------|------------------------------------|--|---------------------|
| LU8-001-500 | 500 | 20±3 | 2.40 | ROSENBERGER WW/YY XXX LU8-001-500 | 28 |
| LU8-001-750 | 750 | 20±3 | 3.40 | ROSENBERGER WW/YY XXX LU8-001-750 | 35 |
| LU8-001-1000 | 1000 | 20±3 | 4.40 | ROSENBERGER WW/YY XXX LU8-001-1000 | 41 |
| LU8-001-1500 | 1500 | 20±3 | 6.40 | ROSENBERGER WW/YY XXX LU8-001-1500 | 54 |

WW - week
YY - year
XXX – serial no.

Documents

| | | |
|---------------------------------|---------------|--------------|
| Technical data sheet connectors | RPC-2.40 plug | 09S121-2U1S3 |
| | RPC-2.40 jack | 09K121-2U1S3 |
| Technical data sheet cable | RTK 125 | |

Assembly parts

| | | |
|-----------------|---------------|--------------|
| Connector left | RPC-2.40 plug | 09S121-2U1S3 |
| Connector right | RPC-2.40 jack | 09K121-2U1S3 |
| Cable | RTK 125 | |

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RF_35/05:10/6.0

Technical Data Sheet

Rosenberger

Cable assembly - Standardportfolio
RPC-2.40 Plug / RPC-2.40 Jack – RTK 125

LU8-001-XXX

Electrical data

| | |
|----------------|------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 50 GHz |
| Return loss | ≥ 16.5 dB, DC to 50 GHz |
| Insertion loss | see table available variants |
| RF-leakage | ≥ 100 dB up to 1 GHz |

Mechanical data

| | |
|----------------------|---------|
| Minimum bend radius: | |
| Single | 5.10 mm |
| Multiple | 16 mm |

Environmental data

| | |
|-------------------|----------------|
| Temperature range | -40°C to +85°C |
| 2002/95/EC (RoHS) | compliant |

Packing

| | |
|----------|--------------|
| Standard | 1 pce in box |
|----------|--------------|

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|--------------|----------|------------------|----------|------|---------------------------|--------------|----------|
| Martin Moder | 06/02/12 | Herbert Babinger | 15/02/12 | a00 | 12-s084 | M. Rahberger | 15/02/12 |

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